AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-136

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor(a)amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

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ANS-136 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 136.01
To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE Suite 1653
Washington, DC 20002

DATE 2021 May 16

AMSAT Server Maintenance Scheduled for May 22

As part of our modernization efforts, AMSAT will be moving its web server to a new vendor over the weekend of 22 May 2021. This move will result in greater operational flexibility, ensure continued flow of security updates and may result in lower costs for server rental and backup services.

End users may see service outages for www.amsat.org and the central telemetry server associated with FoxTelem but otherwise no observable changes are expected. Outages are expected to be brief, perhaps an hour or two, and are presently planned during the USA overnight hours, and we have confidence that we will be complete by the end of the weekend. FoxTelem users will find that any telemetry collected during an outage will be uploaded once the central telemetry server is established in its new home. Mailing lists and mail forwarding will not be affected, and the membership

and events portal at launch.amsat.org will remain fully operational throughout the migration.

(ANS thanks Joe Fitzgerald, KM1P, AMSAT IT services team for the above information)

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panels, propulsion, and attitude control. Come along for the ride. The journey will be worth it!

https://tinyurl.com/ANS-GOLF

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ARISS NEWS

Amateurs and others around the world may listen in on contacts between amateurs operating in schools and allowing students to interact with astronauts and cosmonauts aboard the International Space Station. The downlink frequency on which to listen is 145.800 MHz worldwide.

Monaro High School, Cooma, NSW, Australia, telebridge via NA7V
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Mark Vande Hei KG5GNP
Contact is go for: Wed 2021-05-19 09:25:43 UTC 61 deg
Watch for live stream at: https://www.facebook.com/monarohighschool/live/

Lycée Jean Moulin, Les Andelys, France, multi-point telebridge via NA7V
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Thomas Pesquet KG5FYG
Contact is go for: Thu 2021-05-20 08:38:15 UTC 88 deg

Ufa, Russia, direct via TBD
The ISS callsign is presently scheduled to be RSØISS
The scheduled astronaut is Oleg Novitskiy
Contact is go for Sat. 2021-05-29 13:45 UTC

The latest information on the operation mode can be found at
https://www.ariss.org/current-status-of-iss-stations.html

The latest list of frequencies in use can be found at
https://www.ariss.org/contact-the-iss.html

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors for the above information]

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week or so, I will try some birds stay tuned on tweeter for schedules Major Roves:

CM93 N6DNM Journey begins on Th with stop in CM95 and SOTA, then Fr morning departure and coming back on Su. Thurs 5/13 – On the way to Ventura – stop along the way to do W6/SC-028 (will see if any sat pass fits). Then few sat passes from CM95xa late in the day for few folks who need/want it, but all are welcome.

[ANS thanks Paul Overn, KE0PBR, AMSAT rover page manager, for the above information]

International:

Members of AMSAT Italia commemorate Gagarin's flight into space until the end of the year with the callsign II0SAT on HF and via satellite.

[ANS thanks DX Newsletter DXNL 2246 April 21, 2021, and JoAnne Maenpaa, K9JKM, for the above information]

Hamfests, Conventions, Maker Faires, and Other Events

AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

AMSAT Ambassador and ARRL registered instructor Clint Bradford, K6LCS, is certainly keeping busy! He reports an upcoming satellite presentation on 06/15 – East Massachusetts … and more being scheduled.

Think a 90-minute lively, informative, and fun “How to Work the Easy Satellites” Zoom presentation would be appropriate for your convention or club? Always includes are overviews of the ARRL, AMSAT, and ARISS and pre-presentation questions are solicited and welcome.

Send Clint an email or call!
Clint Bradford K6LCS
http://www.work-sat.com
909-999-SATS (7287)

[ANS thanks Paul Overn, KE0PBR, AMSAT Events page manager, for the above information]

Satellite Shorts From All Over

+ The RSGB has announced that their popular GB2RS news broadcast will now be available on the QO-100 amateur radio transponder on the geostationary satellite Es'hail-2. QO-100 provides continuous coverage from eastern Brazil to as far west as Thailand. There are two amateur transponders, one for Narrowband modes such as SSB and FT8 and the other for digital amateur television (DATV). (ANS thanks AMSAT-UK and Southgate ARC for the above information)

+ The SpaceX SN15 flew, landed, and failed to explode, unlike its predecessors. Starship SN15 ascended through low lying cloud cover, performed a nominal climb to 10 km, then belly-flopped, and finally completed a successful two-Raptor soft landing. A small methane fire at the base of the vehicle was again visible after landing, possibly due to a thermal protection blanket coming loose and catching fire. But, unlike previous tests, the fire did not appear to be caused by structural damage

and there was no unplanned return to flight. (ANS thanks The Orbital Index for the above information)

+ A few days ago, AMSAT's web servers were under attack from multiple malicious IP addresses. This forced a shutdown of the Fox Telemetry server as well as general slowdowns of our web server. As a result, we upgraded to a paid premium version of Wordfence to better defend our web presence against attacks. Hopefully this will improve the reliability of the AMSAT website. (ANS thanks Paul Stoetzer, N8HM, Executive Vice President, for the above information)

+ SpaceX has revealed the flight plan for the first orbital test launch of the company’s huge stainless steel Starship rocket, a 90-minute, around-the-world mission that will originate from South Texas and culminate with a controlled re-entry and splashdown in the Pacific Ocean near Hawaii. When fully assembled, the gigantic reusable rocket will stand nearly 400 feet (120 meters) tall, making the Starship stack the largest launcher ever built.The company expects the un-crewed demonstration mission to occur some time between June 20 and Dec. 20.(ANS thanks Spaceflight Now for the above information)

+ A Rocket Lab Electron rocket failed to reach orbit May 15 when its second stage engine shut down seconds after ignition, the second launch failure in less than a year for the company. The Electron lifted off from Rocket Lab’s Launch Complex 1 in New Zealand at 1111z. The liftoff was delayed by a little more than an hour because of upper-level winds. The first stage of the vehicle appeared to perform as expected. The second stage then separated and ignited its single Rutherford engine. However, video from the rocket broadcast on the company’s webcast of the mission showed that engine shutting down seconds later. (ANS thanks SpaceNews for the above information)

+ Blue Origin plans to begin crew flights of its suborbital New Shepard spacecraft on July 20, launching the highest bidder in an online auction out of the atmosphere and into space for a few minutes of weightlessness and an out-of-this world view before returning to Earth. (ANS thanks Spaceflight Now for the above information)

+ The United States now has company on Mars. A Chinese spacecraft descended through the thin Martian atmosphere and landed safely on a large plain on Friday, May 14 at 2318z, state media reported, accomplishing a feat that only two other nations had before. The Tianwen-1 mission launched from Earth last July, consists of an orbiter, a lander and a rover. The rover is intended roll off the lander, but China has not released a schedule for when that will occur. (ANS thanks The New York Times for the above information)

+ JAMSAT reports limited operation for the FO-99 transponder, primarily on weekend orbits over east Asia. See https://www.jamsat.or.jp/ for a schedule of operation. Email ja0fkm(a)gmail.com with questions. (ANS thanks JAMSAT for the above information)

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Store.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a

maximum of 6 post-secondary years in this status. Contact info [at]
amsat.org for additional student membership information.

73 and Remember to help keep amateur radio in space,
This week's ANS Editor, Mark Johns, K0JM
k0jm at amsat dot org